

Title (en)

METHOD FOR MONITORING OF MEDICAL TREATMENT USING PULSE-ECHO ULTRASOUND

Title (de)

VERFAHREN ZUR ÜBERWACHUNG EINER MEDIZINISCHEN BEHANDLUNG MIT PULS-ECHO-ULTRASCHALL

Title (fr)

PROCEDE DE SURVEILLANCE D'UN TRAITEMENT MEDICAL UTILISANT UNE TECHNIQUE D'ULTRASON PULSES

Publication

**EP 1691689 A4 20081203 (EN)**

Application

**EP 04811946 A 20041123**

Priority

- US 2004039318 W 20041123
- US 72103403 A 20031124

Abstract (en)

[origin: US2004106870A1] A method for ultrasound imaging of anatomical tissue. A first signal is received from a first imaging ultrasound wave which has been reflected from a location in the anatomical tissue during a first time period. A second signal is received from a second imaging ultrasound wave which has been reflected from the location in the anatomical tissue during a later second time period, following a discrete medical treatment. The second signal is subtracted from the first signal to form a difference signal. The difference signal may be scaled, spatially filtered, then used to generate an indication, the indication showing the effect of the medical treatment in the location in the anatomical tissue.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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- [A] US 5005580 A 19910409 - OKAZAKI KIYOSHI [JP]
- [A] US 5370121 A 19941206 - REICHENBERGER HELMUT [DE], et al
- [E] WO 2005058138 A2 20050630 - ETHICON ENDO SURGERY INC [US], et al
- [A] WO 9529737 A1 19951109 - UNIV TEXAS [US]
- See references of WO 2005072084A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**US 2004106870 A1 20040603**; **US 7846096 B2 20101207**; EP 1691689 A2 20060823; EP 1691689 A4 20081203; JP 2007512111 A 20070517; US 2011040184 A1 20110217; US 2016113620 A1 20160428; US 9261596 B2 20160216; WO 2005072084 A2 20050811; WO 2005072084 A3 20051201

DOCDB simple family (application)

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